

CLAIMS

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2. (As amended) A biomedical information collection apparatus, comprising:

a plurality of closed cabinets made of a metal, rubber, plastics, wood or a like material having airtightness and placed at positions spaced away from each other, each of said closed cabinets having a variable internal volume;

a spring member placed in each of the interior of said closed cabinets;

a closed air type sound sensor formed from a non-directional microphone or/and pressure sensor for detecting and converting an air pressure in each of said closed cabinets into an electric signal; and

a plate-shaped member placed on said plurality of closed cabinets;

the air pressures in said closed cabinets when a human body is placed on said closed cabinets in a pertaining shape directly or with bedclothes or the like interposed therebetween while air remains in said closed cabinets of the closed air type sound sensors being detected by the non-directional microphones or/and pressure sensors to measure biomedical information such

as the breath, the heart rate (cardiac cycle), or body movements including a cough or a snore of the human body.

3. (As amended) A biomedical information collection apparatus according to claim 2, wherein said non-directional microphone or/and pressure sensor for detecting and converting an air pressure in each of said closed cabinets into an electric signal uses a closed air type sound sensor mounted in each of the interior of said closed cabinets.

4. (As amended) A biomedical information collection apparatus according to claim 2, wherein said non-directional microphone or/and pressure sensor for detecting and converting an air pressure in each of said closed cabinets into an electric signal uses a closed air type sound sensor mounted at an end portion of a hose connected to said closed cabinets.

5. (As amended) A biomedical information collection apparatus according to claim 2, wherein a closed air type sound sensor wherein a microscopic pinhole is provided in each of said closed cabinets to establish an air leak countermeasure to minimize the influence upon said non-directional microphone or/and pressure sensor for detecting and converting an air pressure into an electric signal.

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